

THE PORT AUTHORITY  
OF NY & NJ

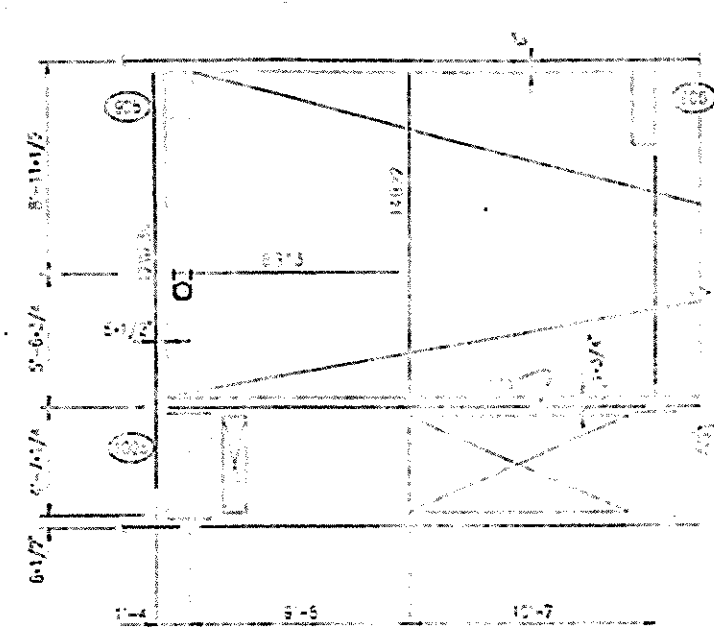
CONFORMED DRAWING  
02/03/98  
SIGNED AND SEALED  
COPY IS KEPT ON FILE

ORIGINAL SIGNED & SEALED BY  
N.Y. P.E. (OR R.A.)

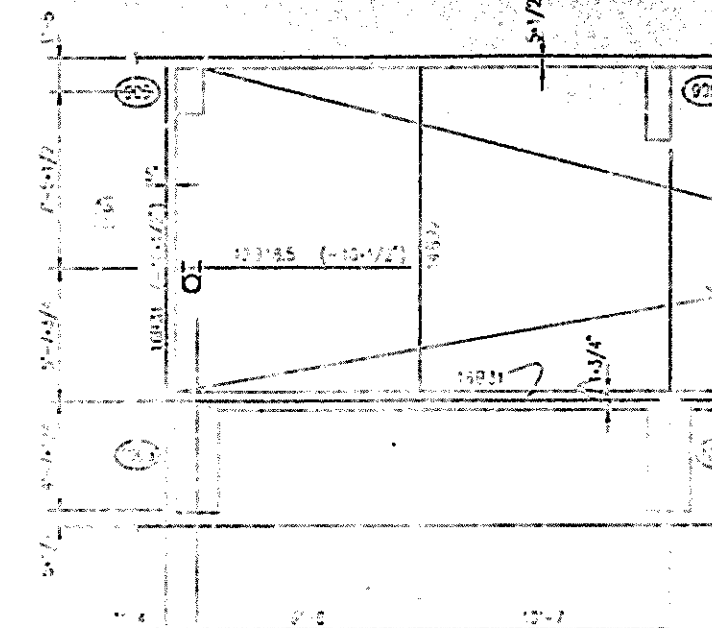
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One Pennsylvania Plaza  
New York, New York 10004-5045  
Tel: 212 363-7400, Fax: 212 363-7282

IN CHARGE OF  
DAVID  
ELLIOT  
LEBOWITZ  
P.E.  
REGISTERED PROFESSIONAL ENGINEER  
IN THE STATE OF NEW YORK  
No. 125400, Exp. 12/31/99

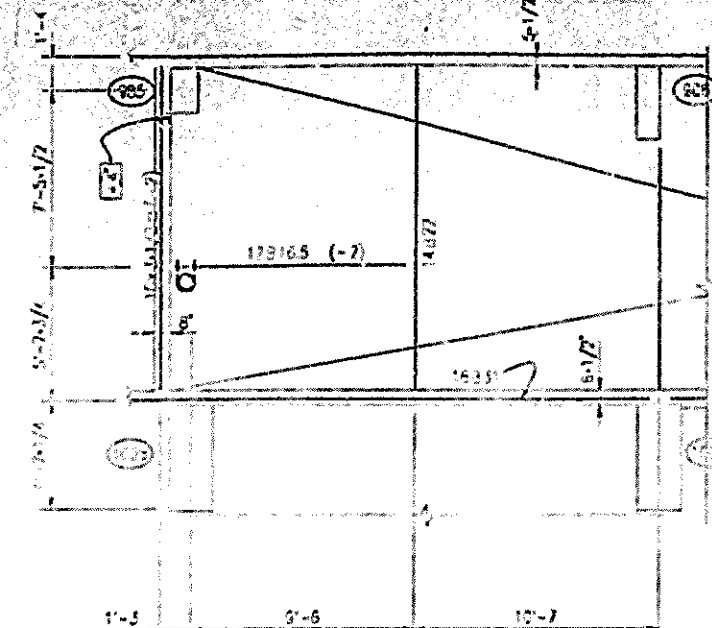
LESLIE E. ROBERTSON  
ASSOCIATES, RLLP  
CONSULTING STRUCTURAL ENGINEERS  
30 EAST 89TH STREET  
NEW YORK, NY 10019-3099  
TEL: 212 363-7400 FAX: 212 363-7282



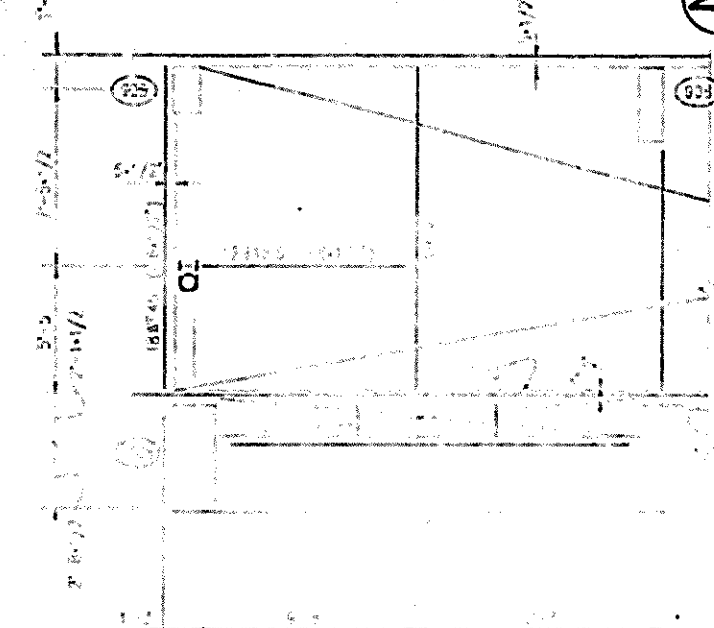
PART PLAN SERVICE LEVEL  
REF EL. = 294'-0"



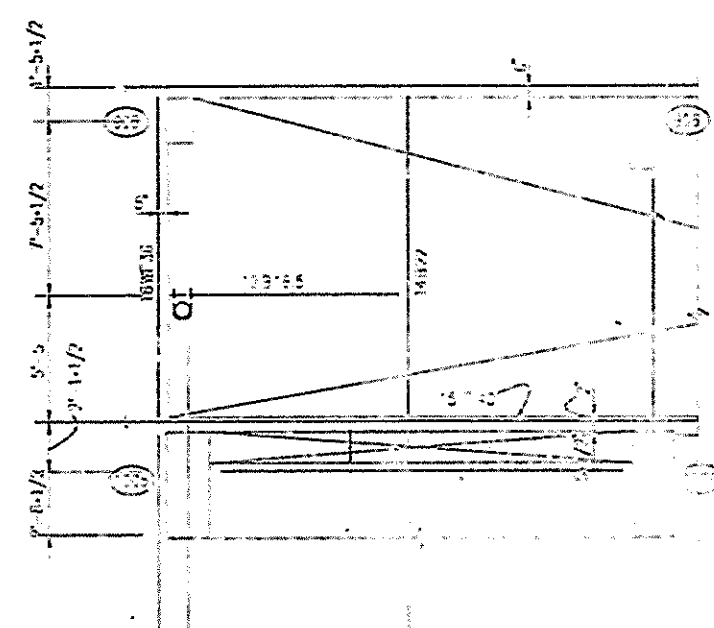
PART PLAN FLOOR 1  
REF EL. = 310'-0"



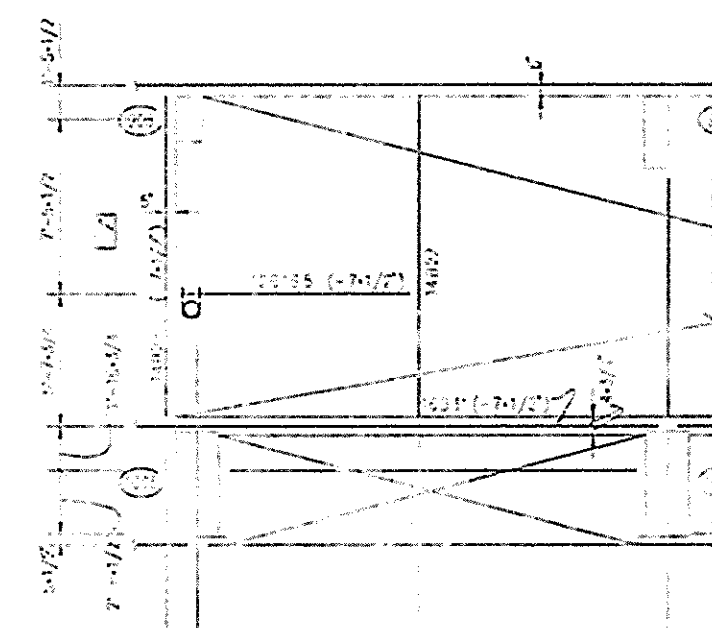
PART PLAN INTERMEDIATE LEVEL  
REF EL. = 324'-2"



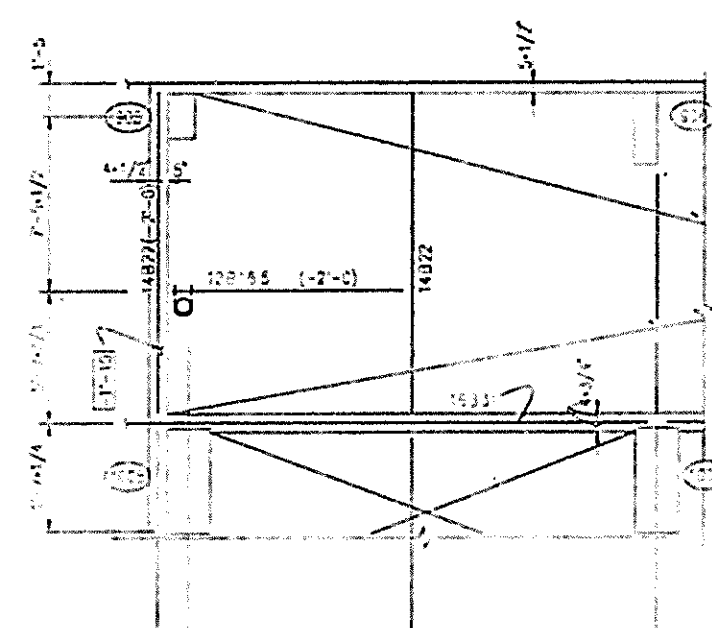
PART PLAN FLOOR 2  
REF EL. = 332'-0"



PART PLAN FLOORS 3-6  
REF EL. FLOOR 3 = 344'-0"  
FLOOR 6 = 378'-6"



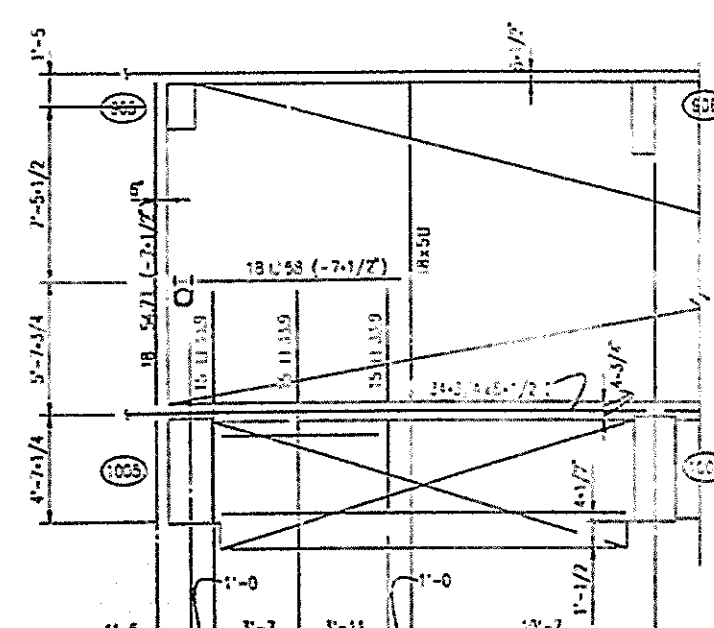
PART PLAN FLOOR 7  
REF EL. = 390'-0"



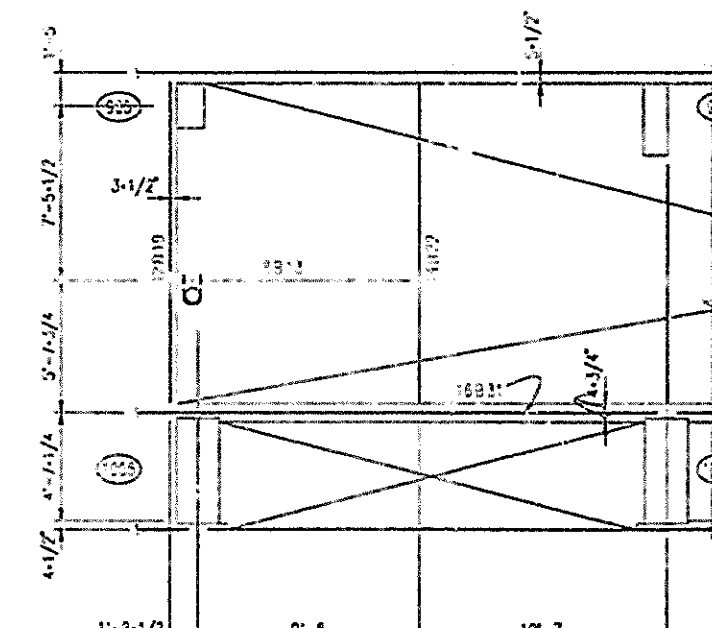
PART PLAN FLOOR 8  
REF EL. FLOOR 8 = 404'-0"

NOTES:

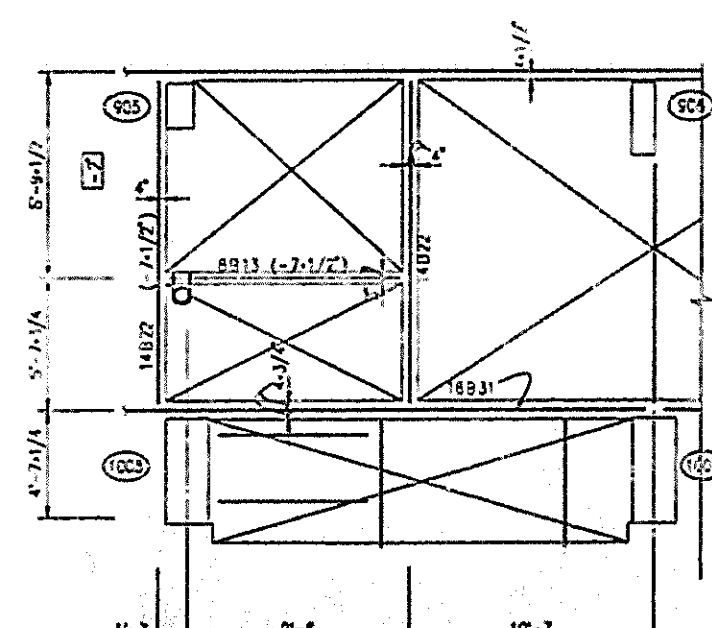
- EXISTING FRAMING IS SHOWN FADED.
- CABLE RAYS STRAIGHT UP FROM THE B1 LEVEL TO FLOOR 41 AND FROM FLOOR 44 TO FLOOR 108. CABLE TRANSITIONS BETWEEN SHAFTS ON FLOORS 41-43. SEE ELECTRICAL DWGS FOR ROUTING.
- THE WEIGHT OF CONDUIT, INCLUDING THE CABLE, SHALL BE SUPPORTED PROPORTIONALLY AT EACH FLOOR.
- FRAMING IN SHAFT VARIES; SEE DRAWING S3-05 FOR THE DETAILS OF THE STRUCTURAL STEEL WHICH ACTUAL CONDUIT SUPPORTS CONNECT TO.
- GRATING AND GRATING SUPPORTS NEED TO BE REINFORCED OR REPLACED FOR THEIR ABILITY TO RECEIVE HOLES FOR THE CONDUIT AND THEIR ABILITY TO SUPPORT THE PULL BOXES AND OTHER SERVICE LOADS. CONTRACTOR NEED VERIFY IN THE FIELD.
- TOP OF EXISTING CONCRETE ELEVATION IS AT REFERENCE ELEVATION UNLESS NOTED THUS [XXX].
- TOP OF EXISTING STEEL ELEVATION IS AT (-4') FROM REFERENCE ELEVATION UNLESS OTHERWISE NOTED.



PART PLAN FLOOR 9  
REF EL. = 414'-0"



PART PLAN FLOORS 10-40  
REF EL. FLOOR 10 = 426'-0"  
FLOOR 40 = 788'-0"



PART PLAN FLOOR 41  
REF EL. = 800'-0"

11/17/97 ISSUED FOR DD

No. Date Revision Approved

Engineering Department  
Design Division

The  
World  
Trade  
Center

STANDBY POWER  
5 WORLD TRADE CENTER

STRUCTURAL  
2 WTC PRIMARY  
FEEDER  
PART PLANS

This drawing subject to conditions in contract  
as inspection, needs, designs and methods  
herein are assumed to Port Authority and  
may not be used without its written consent.

WVS BAZ RZ  
Designed by Drawn by Checked by

Date 11/17/97 Scale AS NOTED

Contract Number WTC-945.071 Drawing Number S5-01

